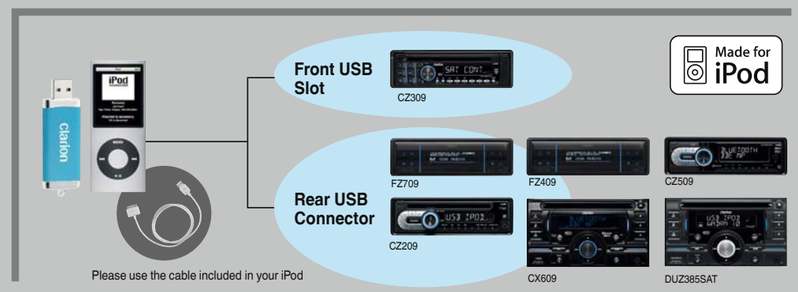
# SOURCE UNITS

## Driven by The Next Generation

**Developing next-generation solutions to offer a new level of satisfaction.
That's the motivation that keeps moving us forward.
Clarion's newest line of source units bring the quality and integration benefits of cutting-edge digital technologies into your car, at high speed.**

### Direct USB iPod Control

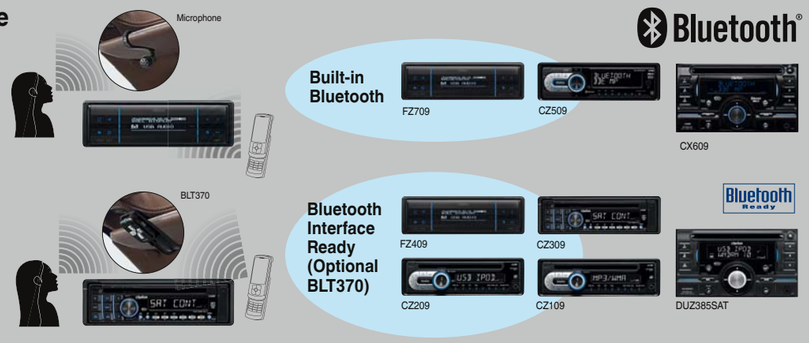
No adapter box required. Just connect the USB cable that's included with your iPod to the Clarion source unit's USB input and you get complete control of your iPod including genre/album/song title search using iPod's control wheel. And if you ever find you've reached a particular menu by mistake, this year's improved interface will easily let you back out of the current menu to quickly get you back on track. FZ709/FZ409 even support iPod Video playback using the optional CCA-723 and only when paired with an RCA video input monitor.




### Built-in Bluetooth® Interface

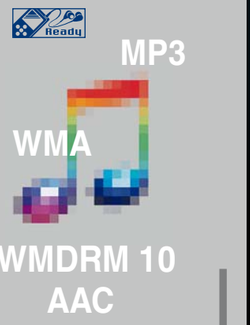
Connect with various devices such as mobile phones, PDAs and MP3 Players via the unit's built-in wireless Bluetooth interface. Supports popular Bluetooth profiles including A2DP/AVRCP for audio streaming and HFP/OPP for hands-free operation, so you can easily communicate and stream your favorite digital music to your vehicle's audio system. Wired microphone is included in Bluetooth Built in products (CX609,FZ709/CZ509), while Bluetooth is available optionally* for CZ309/FZ409/CZ209/CZ109/DUZ385SAT.

*Requires optional BLT370 (supports HSP/HFP/A2DP/AVRCP).




### USB Digital Media Streaming

With a USB terminal on the rear (CX609/CZ509/DUZ385SAT) or front (CZ309) of the unit, these Source Units accommodate playback of Windows® Media DRM10 files for music purchased from online music services in addition to WMA/MP3/AAC files you've ripped from CDs. They also accommodate files copyright-protected with WMDRM10. To stream music, a portable audio player compatible with USB media streaming is required. (Sold separately.)




### SAT Ready

By connecting a Clarion CLA-SC1 and SiriusConnect™ Tuner, or an XM Mini Tuner with the XM Direct 2 interface, you can add over 130 channels of Satellite Radio to your SAT RADIO READY Source Units, while CX609 and DUZ385SAT can be directly connected to XM Mini Tuner. SIRIUS or XM Tuner and applicable subscription required.

**Now for the first time add**

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### BBE® MP for Better Sounding MP3/WMA/AAC Files

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better. (CX609/CZ509/FZ709/FZ409/CMV1/CMD6/M309)

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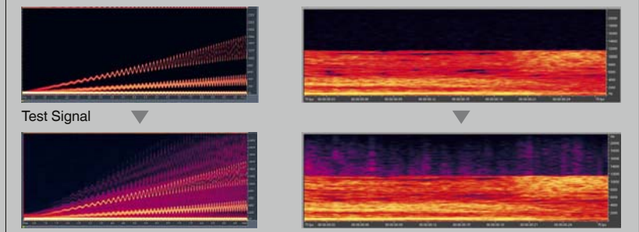
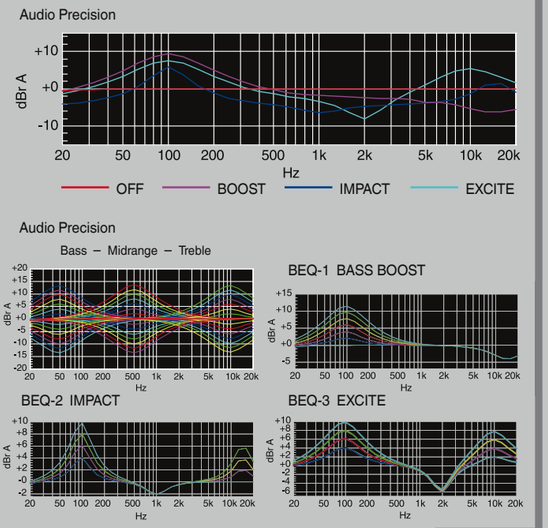
**● BBE MP Process**




• This Diagram shows only image for function of BBE MP

### BeatEQ for User Customizable Sound

In addition to providing 3 preset equalization patterns — BASS BOOST, IMPACT, and EXCITE — Clarion's BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern. You can tune the sound to your liking, depending on the category of music, for a more fulfilling listening experience. (CX609/CZ509/FZ709/FZ409)




### Next-Generation Function and Form

FZ709/FZ409 represent Clarion's idea of next-generation design and performance. The OEL display as well as capacitive sensor operation buttons provide an advanced user-interface, resulting from our continuous quest for the ideal H.M.I. (Human Machine Interface). In terms of sound and connectivity, they promise to satisfy even the most discerning user.

# SPACEWALK YOUR SENSES THROUGH SOUND

Suddenly you're in space. Filled with dimensionality and presence, punctuated by glimmering illumination like the night sky. But unlike outer space, it's filled with vivid sound, rich in tonality and ready to take your senses on a marvelous journey. Experience sonic and spatial freedom with Clarion's new "space design".

## 01 Intuitive Design and H.M.I.

FZ709/FZ409 simplify operation so that now it is just a matter of touching a few iconized illuminated capacitive sensor buttons. This is an example of the intuitive H.M.I. design that minimizes the number of buttons while maximizing functionality. Since only relevant button icons appear for the task at hand, button-hunting is eliminated and access is more direct and responsive.

## 02 Unique Concept for Cutting-Edge Style

FZ709/FZ409 are a crystallization of some of the most advanced technologies in car entertainment today. The screen uses an OEL (Organic Electro-luminescence) display to deliver images smooth as silk while saving space. Combined with advanced design, this technology is one of the ways that Clarion is taking car entertainment to the next generation.

Universal monitor with RCA video input

## 03 Connectivity and Functions

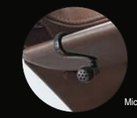
Far above and beyond the norm, FZ709/FZ409 provides USB connectivity with iPod for audio as well as video.* In addition to enjoying your favorite tunes stored on iPod while you drive, you can also entertain your passengers with the video content you're carrying around. And to allow these source units to integrate into a wide range of systems, they are equipped with 6-channel preouts.

* iPod Video can be viewed by connecting FZ709/FZ409 to an external monitor with RCA video input and connecting appropriate iPod via optional CCA-723 cable.



# Designing Your Entertainment with Wireless Communication

(Remote Control)



Microphone

**Built-in Bluetooth® (FZ709)**
Connect with various devices such as mobile phones, PDAs and MP3 Players via the unit's built-in wireless Bluetooth interface. Supports popular Bluetooth profiles including A2DP/AVRCP for audio streaming and HFP/OPP for hands-free operation, so you can easily communicate and listen to your favorite music to your vehicle's audio system. Wired microphone is supplied for crystal clear telephony.

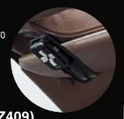
## *FZ709*

**Buletooth USB/MP3/WMA/AAC Receiver with CeNET Control**

CEA 2006 Power Ratings
18W x 4RMS [4Ω@14.4V ≤1% THD+N]
S/N 87dB (Ref:1W into 4Ω)

Touch Sensor Operation

BLT370



**Bluetooth Audio Interface (FZ409)**
Keep your cell phone or Bluetooth Audio enabled playback device safe and sound in your pocket or purse while enjoying crystal-clear sound through optional BLT370 Bluetooth transceiver.

## Making the Most of Your Musical Potential

(Remote Control)

## *FZ409*

**USB/MP3/WMA/AAC Receiver with CeNET Control**

CEA 2006 Power Ratings
18W x 4RMS [4Ω@14.4V ≤1% THD+N]
S/N 87dB (Ref:1W into 4Ω)

### FZ709 / FZ409 FEATURES

- Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP) (Only for FZ709)
- MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display
- 18 FM/ 6 AM Presets
- USB Audio for iPod (Rear)
- 3.5mm Aux Input (Rear)
- Subwoofer Control
- 24-Bit D/A Converter
- BBE MP for Compressed Audio Sound Improvement
- Beat EQ for Sound Adjustment
- Built-in LPF/HPF
- Touch Sensor Operation
- Full Dot OEL Display
- SAT Ready
- 6ch/4V RCA Output (Only for FZ709)
- 6ch/2V RCA Output (Only for FZ409)
- 50W x 4 Built-in Amplifier
- OEM Steering Wheel Remote Ready
- Remote Control Included
- iPod Video Ready (Optional CCA723 required)

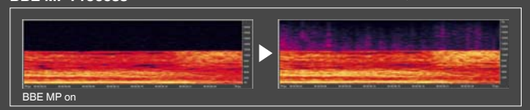
- Bluetooth Ready: Only for FZ409

**Direct USB iPod Control and USB Audio Streaming**
No adapter box required. Just connect the USB cable that's included with your iPod to the Clarion source unit's rear USB input and you get complete control of your iPod including genre/album/song title search using iPod's control wheel, with high quality sound reproduction through the car speakers. The same connection can also be used to play back audio files stored on USB memory.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

**BBE® MP for Better Sounding MP3/WMA/AAC Files**
BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better. (CX609/FZ709/CZ509/FZ409)

**BBE MP Process**



BBE MP on

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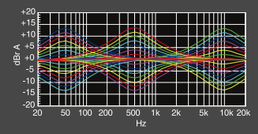
- This Diagram shows only image for function of BBE MP

**Beat EQ for User Customizable Sound**
In addition to providing 3 preset equalization patterns — BASS BOOST, IMPACT, and EXCITE — Clarion's BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern. You can tune the sound to your liking, depending on the category of music, for a more fulfilling listening experience.

Audio Precision (Bass Midrange Treble)




SOURCE UNITS

## CZ509

**Bluetooth CD/USB/MP3/WMA/AAC Receiver with CeNET Control**

- CD-DA/CD-R/RW Ready
- Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming (A2DP & AVRCP)
- MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display
- USB Digital Media Streaming Capability
- 18 FM/ 6 AM Presets
- USB Audio for iPod (Rear)
- Front 3.5mm Aux Input
- Subwoofer Volume Control
- BBE MP for Compressed Audio Sound Improvement
- Beat EQ for Sound Adjustment
- Built-in LPF/HPF
- Flip-down Control Panel
- 13 x 10 2-Line High Visibility LCD
- Large and Easy to Operate Rotary Volume
- SAT Ready
- 6ch RCA Output
- 50W x 4 Built-in Amplifier
- OEM Steering Wheel Remote Ready
- Detachable Control Panel
- Handsfree Microphone Included
- Remote Control Included

Bluetooth®

Made for iPod

SAT RADIO READY

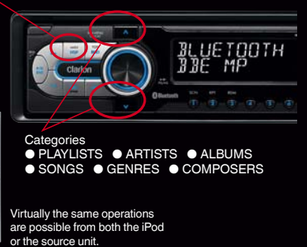
CEA 2006 Power Ratings
22W x 4 RMS (4Ω@14.4V≤1% THD+N)
S/N 92dB (Ref; 1W into 4Ω)

### Rear USB for Direct iPod Control

Just connect the USB cable that's included with your iPod to the CZ509's rear USB input and you get complete control of your iPod including genre/album/song title browsing, complete with iPod ABC Search convenience. The functions of iPod's control wheel are emulated on the source unit's control dial, so virtually the same operations are possible from both the iPod or the source unit. The tunes you love to carry can be enjoyed seamlessly in your car.

* To connect iPod, please use the cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

iPod ABC Search
Press and hold the [DISP] button (1 sec.).


Categories
● PLAYLISTS ● ARTISTS ● ALBUMS
● SONGS ● GENRES ● COMPOSERS
Virtually the same operations are possible from both the iPod or the source unit.

### BBE® MP for Better Sounding MP3/WMA/AAC Files

BBE MP (Minimized Polynomial Non-Linear Saturation) Process improves digitally compressed sound such as MP3/WMA/AAC by restoring the harmonics that are lost through compression, thereby reproducing the warmth, details and nuances that you would otherwise miss. BBE MP enhanced harmonics even serve to make regular CDs sound better.

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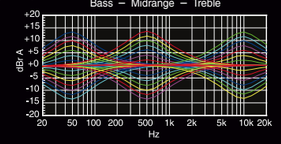
### Beat EQ for User Customizable Sound

In addition to providing 3 preset equalization patterns — BASS BOOST, IMPACT, and EXCITE — Clarion's BeatEQ even lets you freely customize the level and range of the bass, midrange and treble portions of each pattern. You can tune the sound to your liking, depending on the category of music, for a more fulfilling listening experience.(A2DP/AVRCP compliant).

Audio Precision



Built-in Bluetooth for hands-free calling and music streaming.
iPod USB Direct for playback through USB cable provided with iPod.
Front AUX Input for connection of portable audio player or other equipment.
USB Connector even supports playback of WMA/MP3/AAC files.
6ch Output for superior system expandability and versatility.
U-Curved Design with smartly clustered controls for functionality and style.



## Integration and Innovation Are Your Source of Satisfaction.

## CZ309

**CD/USB/MP3/WMA/AAC Receiver with CeNET Control**

Front USB enables connection of iPod and USB memory devices.

Front AUX input for connection of portable audio player or other equipment.

Made for iPod

SAT RADIO READY

CEA 2006 Power Ratings
20W x 4 RMS (4Ω@14.4V≤1% THD+N)
S/N 90dB (Ref; 1W into 4Ω)

### CZ309 FEATURES

• CD-DA/CD-R/RW Ready • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 18 FM/ 6 AM Presets • USB Audio for iPod • Front USB Slot • Front 3.5mm AUX Input • Subwoofer Volume Control • Z-Enhancer Plus Sound Customization • MAGNA BASS EX dynamic bass enhancement • Built-in LPF/HPF • High Visibility Single Line Display with Screensavers • Rotary Volume with Anti-slip design • SAT Ready • 6ch RCA Output • 50W x 4 Built-in Amplifier • OEM Steering Wheel Remote Ready • Bluetooth® Interface Ready (Optional BLT370) • Detachable ControlPanel • Remote Control Included

### Front USB for Direct iPod Control

No adapter box or interface cable required. Just connect the USB cable included with your iPod to the CZ309's front USB input for battery charging and complete control of your iPod.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

### Front AUX Input

With an AUX input on the front panel, it's easy to plug-in a portable audio device or portable satellite radio for instantaneous enjoyment.

### Built-in High Pass/Low Pass Crossovers

Crossover settings of 50Hz, 80Hz and 120Hz are available, letting you optimize the signal for high or low frequency reproduction when a subwoofer or tweeters are part of the system.

## CZ209

**CD/USB/MP3/WMA Receiver**

## CZ109

**CD/MP3/WMA Receiver**

Remote control

CEA 2006 Power Ratings
20W x 4 RMS (4Ω@14.4V≤1% THD+N)
S/N 88dB (Ref; 1W into 4Ω)

Made for iPod

• USB: Only for CZ209
• Made for iPod: Only for CZ209

### CZ209 / CZ109 FEATURES

• CD-DA/CD-R/RW Ready • MP3 and WMA Compatible with ID3-TAG Display • 18 FM/ 6 AM Presets • USB Audio for iPod (Only for CZ209) • Rear USB Connector (Only for CZ209) • Front 3.5mm AUX Input • Z-Enhancer Plus Sound Customization • MAGNA BASS EX dynamic bass enhancement • High Visibility Single Line Display with Screensavers • Easy to operate Rotary Volume • Non Fader Volume Control • 4ch RCA Output (Front+ Non-Fade) • 50W x 4 Built-in Amplifier • OEM Steering Wheel Remote Ready • Bluetooth Interface Ready (Optional BLT370) • Detachable Control Panel • Remote Control Included

Rear USB enables connection of iPod and USB memory devices. (Only for CZ209)

### Magna Bass EX

This circuit boosts bass at an ultra-low frequency of About 50Hz, creating a rich, deep, defined bass rather than the muddy, booming bass of a standard loudness control. What's more, boost levels are dependent on the system volume, resulting in balanced system response and dynamic bass reproduction.

SOURCE UNITS

# Two Double-DIN Models Ready to Deliver.

From their symmetric design with large rotary volume control, to the illumination-accented dark color scheme, these 2-DIN source units provide dynamic looks that blend into your car's interior, in a spacious layout that will make them a pleasure to use, see and hear.

Remote control

## *CX609*

**2-DIN Bluetooth CD/USB/MP3/WMA/ AAC Receiver with CeNET Control**

Bluetooth® Made for iPod

SAT RADIO READY

CEA 2006 Power Ratings
22W x 4RMS [4Ω@14.4V ≤1% THD+N]
S/N 90dB (Ref:1W into 4Ω)

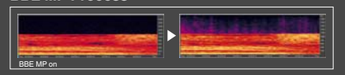
• CD-DA/CD-R/RW Ready • Built-in Bluetooth® Hands-free (HFP & OPP) and Audio Streaming(A2DP & AVRCP) • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 18 FM/ 6 AM Presets • USB Audio for iPod (Rear) • Front 3.5mm Aux Input • Subwoofer Volume Control • BBE MP for Compressed Audio Sound Improvement • Beat EQ for Sound Adjustment • Built-in LPF/HPF • 728-variable Color Display & Illuminated Keys • 13 x 10 2-Line High Visibility LCD • SAT Ready • 4ch RCA Output (F+R/SW) • 50W x 4 Built-in Amplifier • Sirius Satellite Radio Ready • XM Mini-Tuner Direct • OEM Steering Wheel Remote Ready • Handsfree Microphone Included • Remote Control Included

**728 Variable-Color Illumination**
You're free to select the exact color you want, to match your car's instrument panel or match your mood today.

**Built-in Bluetooth®**
For wireless connection with mobile phones, PDAs and MP3 Players. Supports Bluetooth profiles A2DP/AVRCP for audio streaming and HFP/OPP for hands-free operation, so you can easily communicate and transfer digital music to your vehicle's audio system. A wired microphone is also supplied.

**BBE® MP (Minimized Polynomial Non-Linear Saturation)**
By restoring the harmonics that are lost during digital compression of MP3 and WMA audio files, BBE MP reproduces the warmth, details and nuances of sound that you would otherwise miss. Effective for digital audio files and CDs.

**BBE MP Process**

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**Beat EQ with Parametric Equalization**
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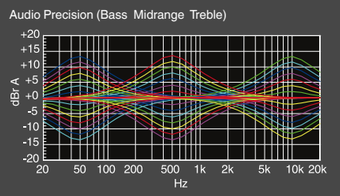


**Rear USB for Direct iPod Control**
Just connect the USB cable that's included with your iPod to the rear USB input to control your iPod from the source unit. For the CX609 that includes genre/album/song title search using iPod's control wheel.

* To connect iPod, please use the USB cable included in your iPod.
* Please see the Clarion website for iPod models that can be connected.

Built-in Bluetooth for hands-free calling and music streaming.

iPod USB Direct for playback through USB cable included in your iPod.

USB Connector even supports playback of WMA/MP3/AAC files.

Front AUX Input for connection of portable audio player or other equipment.

## *DUZ385SAT*

**CD/USB/MP3/WMA/AAC Receiver with CeNET Control**

CEA 2006 Power Ratings
20W x 4RMS [4Ω@14.4V ≤1% THD+N]
S/N 90dB (Ref:1W into 4Ω)

SAT RADIO READY

Direct USB iPod Control

(Optional)

* To connect iPod, please use the USB cable included in your iPod. * Please see the Clarion website for iPod models that can be connected.

• CD-DA/CD-R/RW Ready • Rear USB Connector • MP3, WMA and iTunes® AAC Compatible with ID3-TAG Display • USB Digital Media Streaming Capability • 13 x 10 Digital 2-Line High Visibility LCD • White Color Display and Illuminated Keys • Z-Enhancer Plus sound customization • MAGNABASS EX dynamic bass enhancement • USB Audio for iPod (Rear) • SAT Ready • Bluetooth Interface Ready (Optional BLT370) • 4ch/2V RCA Output (Front + Rear) • 50W x 4 Built-in Amplifier • Sirius intreface box (CLA-SC1) Ready • XM Mini-Tuner Direct • OEM Steering Wheel Remote Ready • Built-in IR Eye (RCB176 Remote Optional)



# Bluetooth® & Mobile-phone

Use Bluetooth compatible mobile phones for hands-free use as well as play streaming audio through your vehicle's audio system. Connecting wirelessly with mobile phones that utilize Bluetooth profiles (A2DP, AVRCP, HSP, and HFP) has never been simpler, and Clarion delivers the connection.

## *BLT370*

**Bluetooth Transceiver**

Bluetooth Profile : Headset Profile (HSP), Hands-free Profile (HFP), Advanced Audio Distribution Profile (A2DP), Audio Video Remote Control Profile (AVRCP)

Bluetooth®

**Bluetooth Interface with Hands-free calling and Audio Streaming capability.**

Bluetooth Ready

MULTIMEDIA

NX509 VZ509 VX409 VZ409

SOURCE UNITS

FZ409 CZ309 CZ209 CZ109 DUZ385SAT

MARINE AUDIO

CMV1 CMD6 M309 M109

ACCESSORIES

## Performance with Signal Processing Units

### *CLA-SC1*

**CeNET Sirius Translator**

Easily connect and control via your CeNET cable with the Sirius Connect® vehicle tuner (SC-C1) or dock with some portable Sirius tuner. Clarion now makes connecting to Sirius Satellite radio simple and easy.

CeNET

### *EQS746*

**1/2-DIN Graphic EQ/crossover**

• 7-Band Graphic Equalizer • 6-Channel / 7 Volt RCA Outputs (Front/Rear/Subwoofer)
• Adjustable Master Volume Level Control • Adjustable Subwoofer Level Control
• 2 ch RCA AUX Input with Adjustable Gain • Selectable 12dB Low Pass Crossover (60Hz or 90Hz)
• Gold Plated Terminals • Dimensions:7″(W) × 1″(H) × 4″(D)

### *MCD360*

**3-way Electronic Crossover**

• 2/4/6 ch Input • 6 ch / 5 Volt RCA Outputs (Front/Rear/Subwoofer) • Front/Rear/Subwoofer Level Control • Subwoofer Equalizer and Boost Level Controls • High Pass Crossover Frequency Multiplier • Remote Subwoofer Level Control (Included)
• Gold Plated Terminals
• Dimensions:6″(W) × 3/4″(H) × 7″(D)

## OPTIONAL ACCESSORIES

***RCB176***
**Remote Control for 2009/2008 Source Unit**

***CCAAUX***
**RCA/3.5mm AUX Input Cable**

***CCAUSB***
**USB Extension Cable**

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